

Remarks/Arguments

Claims 1-15 remain pending in this application with claims 1, 4 and 9 being amended and claims 7 and 12-15 being cancelled by this response. Claims 1, 4 and 9 have been amended to include a step of transmitting a time indication tied with each partial dynamic summary. Support for this amendment can be found throughout the specification and specifically on Page 12, lines 1-15 and cancelled claim 7. Thus, it is respectfully submitted that no new matter is added by these amendments.

Rejection of Claims 1, 2, 4-6 and 9-13 under 35 USC § 103(a)

Claims 1, 2, 4-6 and 9-13 have been rejected under 35 USC § 103(a) as being unpatentable over Knee (U.S. Patent No. 5,589,892) in view of Knudson (U.S. Patent No. 6,536,041).

The present claimed invention provides a process for transmitting service information in a television system comprising a transmitter and a receiver. The process includes transmitting an event, at the level of the transmitter. A plurality of partial dynamic summaries relating to disjoint times of the event is then transmitted. The content of a partial dynamic summary is dependent on the content of the event occurring since the transmission of the previous partial dynamic summary up to the instant of transmission of the current partial dynamic summary. A time indication tied with each partial dynamic summary is then transmitted. The partial dynamic summaries successively received in a memory of the receiver are then concatenated, at the level of the receiver. An upgradeable summary of the event is the result of the concatenating of all of the partial dynamic summaries. The upgradeable summary and the time indication tied with the last partial dynamic summary incorporated in the upgradeable summary are then displayed in a window of a screen. Independent claims 1, 4 and 9 contain features similar to those discussed above.

Knee et al. describe an electronic program schedule system with access to both stored television program schedule information and data feeds containing status information for live programs such as sporting events (Abstract). Accordingly, the system can display the current score and inning of the game. In this manner, users may

not only browse through program listings but also the scores of games in progress (Col. 40).

Knudson et al. describe a program guide system that receives program listings data and real-time data such as sports scores, news data and the like (Abstract). The different types of real-time data are useful for different periods of time. To avoid clutter in the database, the program guide purges the database to remove outdated data. Thus, a different expiration time is assigned to each real-time data item and the program guide removes the data from the database after it expires (Col. 17, lines 25-40).

Knee et al. and Knudson et al., when taken alone or in combination, neither disclose nor suggest “transmitting a time indication tied with each partial dynamic summary” as recited in claims 1, 4 and 9 of the present claimed invention. Additionally, it is respectfully submitted that both Knee et al. and Knudson et al., when taken alone or in combination, neither disclose nor suggest “displaying the upgradeable summary in a window of a screen and the time indication tied with the last partial dynamic summary incorporated in the upgradeable summary” as recited in claims 1, 4 and 9 of the present claimed invention. The Office Action asserts that the combination of the systems of Knee et al. and Knudson et al. discloses the principles of the present claimed invention. However, as admitted by the Office Action, both Knee et al. and Knudson et al., when taken alone or in combination, are silent regarding an identifier and the display of time and version information.

In view of the above remarks and amendments to the claims it is respectfully submitted that there is no 35 USC 112 compliant enabling disclosure contained within Knee et al. and Knudson et al., when taken alone or in combination, showing the above discussed features. It is thus further respectfully submitted that neither Knee et al. nor Knudson et al., when taken alone or in combination, would make the present invention as recited claims 1, 4, and 9 unpatentable. As Claims 2, 5, 6, 10 and 11 are dependent on claims 1, 4 and 9 it is respectfully submitted they are allowable for the same reasons discussed above regarding independent claims 1, 4 and 9. Claim 12 has been cancelled by this response. Thus, it is further respectfully submitted that this rejection is satisfied and should be withdrawn.

Rejection of Claims 3, 7, 8, 14 and 15 under 35 USC § 103(a)

Claims 3, 7, 8 14 and 15 have been rejected under 35 USC § 103(a) as being unpatentable over Knee (U.S. Patent No. 5,589,892) in view of Knudson (U.S. Patent No. 6,536,041) and further in view of Machida (U.S. Patent No. 6,035,304). Claims 7, 14 and 15 have been cancelled by this response.

Machida et al. describe a multimedia application storage system and player. The storage system stores distributed application packages. Each package includes a main application and Service Adding Information (“SAI”). The player may play a desired one of the distributed application packages while adding various services to the service. “The SAIs are distributed independently from and prior to the application data” (Col. 1 lines 60-62 and Col. 6 lines 55-62) and are transmitted by packets in the data streams. An SAI typically consists of attributes (see Col. 10) and is used in the multimedia application storage/player (Fig. 7). Each SAI packet corresponds to a determined application. Thus, an application ID_a (“AID”) is produced by the concatenation of packets AID_{a-o} to AID_{a-i}. Each AID_a can be used with a single SAI packet.

“If a packet from the SAI decoder 56 contains EPG data 36, then the program 85 adds the EPG data 36 to the above mentioned EPG data file 45...The program 85 further calculates freshness from the updated time and date in the VERSION attribute 130 or the next broadcast time and date in the REBROADCAST attribute 290 and enters the calculated freshness in the FRESHNESS attribute 280. Thus, the registration of received SAI is completed” (Col. 14 lines 30-44).

Machida et al. neither disclose nor suggest “transmitting a time indication tied with each partial dynamic summary” as recited in claims 1 and 4 of the present claimed invention. The Office Action asserts that Machida et al. disclose the principles of the present claimed invention. Specifically, the Office Action asserts that Machida et al. disclose EPG data having time and data information used to determine the freshness of information and that this is the equivalent of the transmission and display of a time indication tied with the last received partial dynamic summary. The applicants respectfully disagree. Machida et al. describe that “the figure 70 is a diagram showing an exemplary structure of the log file of FIG. 39. In FIG. 70, each record of the log file 689 comprises the fields of time stamp 844 for containing time and date, application ID

845, version No. 846, stop address or end code 847 for use in the above described resume function, etc.”(Col. 24, line 66 – Col. 25, line 4). Although this time stamp can be used for defining a version of the AIDi, Machida et al. neither disclose nor suggest that this time stamp is transmitted and received by the system 50. Rather, the time stamp is most probably produced by the timer (Figure 4, Object 69) when packet AIDi is received. Thus, Machida et al. are not concerned with transmitting and receiving a time indication tied with the partial dynamic summaries as in the present claimed invention. Additionally, in Machida et al. the received packets of AIDi are not the same structure of the received packets of SAI (as seen in Figure 7).

Furthermore, Machida et al. neither disclose nor suggest “displaying the upgradeable summary in a window of a screen and the time indication tied with the last partial dynamic summary incorporated in the upgradeable summary” as recited in claims 1 and 4 of the present claimed invention. Machida et al. state that “the system 50 displays **version information of the active application (AIDa-i)** in response to a request from the user” (Col. 24, lines 59-61). Thus, Machida et al. is wholly unlike the present claimed invention which displays the time indication (version information) **of the partial dynamic summary (SAI)**. The version information **of the AID** displayed by Machida et al. is not the same as the version information of the partial dynamic summary displayed by the present claimed invention. Additionally, Machida et al. neither disclose nor suggest that the content VERSION field or the FRESHNESS SAI fields (that could contain an update time and date) are displayed. Moreover, the content of these fields are used to update the received packets. This is wholly unlike the present claimed invention which is updated using a VERSION number, independently of the transmitted time and date. In contrast to the system of Machida et al., the time and date data of the present claimed invention is **displayed and not checked**.

The combination, similar to the individual systems of Knee et al., Knudson et al. and Machida et al., neither discloses nor suggests “transmitting a time indication tied with each partial dynamic summary” as recited in claims 1 and 4 of the present claimed invention. Additionally, it is respectfully submitted that the combination, similar to the individual systems of Knee et al., Knudson et al. and Machida et al., neither discloses nor suggests “displaying the upgradeable summary in a window of a screen and the

time indication tied with the last partial dynamic summary incorporated in the upgradeable summary” as recited in claims 1 and 4 of the present claimed invention. The Office Action further asserts that the combination of the systems of Knee et al., Knudson et al. and Machida et al. discloses the principles of the present claimed invention. However, the combination, similar to the individual systems of Knee et al., Knudson et al. and Machida et al., is not concerned with transmitting and receiving time indications tied with each partial dynamic summary and displaying the time indication tied to the last received partial dynamic summary.

In view of the above remarks and amendments to the claims it is respectfully submitted that there is no 35 USC 112 compliant enabling disclosure contained within Knee et al. and Knudson et al. and Machida et al., when taken alone or in combination, showing the above discussed features. It is thus further respectfully submitted that neither Knee et al., Knudson et al. nor Machida et al., when taken alone or in combination, would make the present invention as recited claims 1 and 4 unpatentable. As Claims 3 and 8 are dependent on claims 1 and 4, respectively, it is respectfully submitted they are allowable for the same reasons discussed above regarding independent claims 1 and 4. Thus, it is further respectfully submitted that this rejection is satisfied and should be withdrawn.

Having fully addressed the Examiner's rejections, it is believed that, in view of the preceding remarks, this application stands in condition for allowance. Accordingly then, reconsideration and allowance are respectfully solicited. If, however, the Examiner is of the opinion that such action cannot be taken, the Examiner is invited to contact the applicants' attorney at the phone number below, so that a mutually convenient date and time for a telephonic interview may be scheduled.

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Respectfully submitted,

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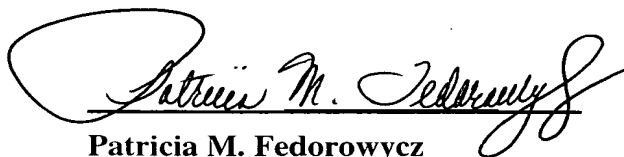
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